PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE
COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY
1955 Workman Mill Road / Whittier, CA
Mailing Address: P.O. Box 4998 / Whittier, California 90607-4998
~~Charles W. Carry~~ James F. Stahl, Chief Engineer and General Manager
(562) 699-7411

PERMIT NO. 005093

SEMS-RM DOCID # 1167567

01 CHECK ONE: New Sewer Connection ☐ Existing Sewer Connection XX

02 Applicant Shultz Steel Company (Legal Company Name)

03 Check one and fill in appropriate information

☑ Corporation Name Shultz Steel Company
Year Incorporated 1956 State of Incorporation California ID# 95-1908842

☐ Partnership Name _____ Partners _____

☐ Sole Proprietor Name _____ Business Names _____

04 Company Address 5321 East Firestone Boulevard (Street) CA (City) (State) 90280 (Zip)

05 Mailing Address 5321 East Firestone Boulevard (Street) CA (City) (State) 90280 (Zip)

06 Point of Discharge Same

07 Number of years applicant has been in business at present location 51 (yrs) _____ (months)

08 Name of Property Owner Shultz Properties, Inc.
Address of Property Owner 5321 East Firestone Boulevard (Street) South Gate (City) CA 90280 (Zip) 323.56 (Telephone Number) 328

09 Assessors Map Book No. 6216 Page No. 037 Parcel No. 034

10 Type of Industry Metal forging, machining, and warehousing (General Description) 3460 (Federal SIC No.)

11 Number of Employees (Full Time) 529 (Part Time) 0

12 Raw Materials Used Steel and Alloy bars and billets (General Description — Add Additional Sheets as Needed)
_____ (Daily Amount Used)

13 Products Produced Alloy forgings and machining (General Description — Add Additional Sheets as Needed)
_____ (Daily Amount Produced)

14 Wastewater Producing Operations Cooling tower bleed, quench tanks, water recovery water softening (Full Description — Add Additional Sheets as Needed)

15 Time of Discharge 6 (Circle AM or PM) AM PM to 6 AM PM Shifts per Day 1, Days per Week M T W Th F Sa Su (Circle Days)

16 Wastewater Flow Rate ~~8560~~ 86000 (Average) Gallons per Day 20 (Peak) Gallons per Minute

17 Constituents of Wastewater Discharge Oil & grease, suspended solids (General Description — Attach Chemical Analysis Results to the Application)

18 Person in company responsible for industrial wastewater discharge
Peter Nash (Name) Plant Engineer (Position) 323.357.3277 (Telephone Number)

I affirm that all information furnished is true and correct and that the applicant will comply with the conditions stated on the back of this permit form.

Date 11/05, 19 98

19 Signature for Applicant _____ (Company Administrative Official) P. J. NASH (Name) PLANT ENGINEER (Position)

20 Approved/Reviewed by City or County Official
Date 12/28/98
For L.A. County Dept. of Public Works . . . ☐
City of South Gate
Name _____
Position Asst Tayt City Engr

Approved by Sanitation Districts of Los Angeles County
Date November 29, 2005
Expiration Date November 29, 2010
James F. Stahl
~~Charles W. Carry~~, Chief Engineer & General Manager
By Suzanne S. Wienke
Position ~~Supervising~~ Civil Engineer

Note: Please submit application first to the applicable City or County agency in which the point of discharge is located. Please contact the local agency for the required permit processing fee. Submit the **original application** (Do not send copies).

CONTINUED ON NEXT PAGE

FORM A: APPLICANT QUESTIONNAIRE

NAME OF COMPANY Shultz Steel Company CONTACT PERSON Peter Nash

1. **Reason for submittal** - circle A, B, or C, and complete the corresponding questions.

A. New Permit (for new companies and for changes in ownership)

Type of business _____
Is the facility new or existing? _____
If existing, previous company name _____
Type of business _____, Industrial Waste Permit No. _____
Provide a description off all manufacturing processes below or in an attachment.

Provide a description of all wastewater producing operations below or in an attachment.

Are any changes being made to the facility's existing wastewater pretreatment/conveyance systems? _____ If yes, briefly explain these modifications below or in attachments.

Is there more than one company discharging industrial wastewater at your facility? _____
If yes, provide for each company its name, a separate address and a description of its operations. If feasible, each company must apply for a separate permit and must have its own incoming water meter and a separate industrial wastewater sampling point.

If your facility will involve a new connection to the public sewer, please circle the point of connection: a. Local City sewer, b. Sanitation Districts' Trunk sewer.

If you are relocating, and had a previous Industrial Wastewater Discharge Permit, give your previous address _____, and permit no. _____.
If you have received a temporary permit, give permit no. _____

All submittals for new permits **must** include a permit application, plans and pertinent supporting information.

B. Revision of Existing Permit (for a 25 percent or more change in wastewater quantity/quality)

Permit no. _____
Has your wastewater quantity and/or quality changed over 25 percent? _____ If yes, documentation addressing the magnitude and reason(s) for the change must be submitted. If no, a revision is not required at this time.
Have there been any changes in production processes, wastewater pretreatment systems or sewerage plumbing? _____ If yes, submit plans and describe these changes below or in attachments:

All submittals for a revised permit **must** include a permit application, plans (if changes have occurred) and supporting information.

C. Addendum to Permit (for modifications to the wastewater conveyance/pretreatment system)

Permit no. 005093
Provide a brief summary of the existing conditions and the proposed changes below.
Separation of industrial and sanitary discharge.
Submittal must include plans and supporting information.
See attached plans and supporting information.

The applicant must also answer the questions on the back of this form.

2. Supporting Information Required

All submittals **must** include the following forms, which are included in Appendix 6.1:

Form A — Applicant Questionnaire
Form B — Calculation of Industrial Wastewater Discharge Flowrate
Form C — Tank Schedule and Spill Containment Calculations
Form D — Check List

Furthermore, your company must answer the questions below to determine the additional supporting information that must be provided:

a) Waste Minimization (refer to sections 2.4 and 3.3 E)

Please describe below or in an attachment all of your company's existing/proposed pollution prevention measures (e.g., reuse, product reformulation, process changes, housekeeping measures, etc.):

Stormwater pollution prevention plans and BMPs, all material storage areas are covered.

For industrial discharges, oil is recovered from process (quench) water using an oil/water separator. Quench tanks are static tanks to minimize water usage.

Has your company previously submitted a waste minimization plan to the Districts? No
If the answer is no, please read sections 2.4 and 3.3 E and submit the appropriate plan (if applicable). Your company is encouraged to obtain information on source reduction measures and options for your industrial processes by calling the Districts' Industrial Waste Section at (310) 699-7411.

b) Wastewater Quality (refer to sections 3.3 G and H)

Please provide the results of at least two 24-hour composite analyses attesting to concentrations of chemical oxygen demand, suspended solids and any priority or regulated pollutants that may be found in your wastewater. Your company must also provide material safety data sheets of all chemicals used in the facility that may directly or indirectly contaminate your wastewater.

See attached analysis from June and September 1998.

c) New equipment (refer to sections 3.3. F, J and K)

Is your company installing new pretreatment, monitoring, conveyance or industrial equipment that may have an impact on the quality or quantity of your wastewater? Yes.
If yes, please provide catalog cuts of all units and important details such as: number of units, sizes, hours of operation, pump rating curves, operating parameters, etc.

Shultz Steel is separating our industrial and sanitary discharge.

d) Baseline Monitoring Report (refer to sections 2.1 and 3.3 I)

Does your company currently fall under one of EPA's categories? Yes
If yes, your company must submit a Baseline Monitoring report, unless it submitted one in the past and there have been no changes in operations that may change your categorical standards.

See attached water quality reports.

e) Rainwater Management (refer to section 3.2)

Are there any outdoor drains, trenches or sumps at your facility that are connected to the sewerage system? No
If yes, your company must submit plans and information that describe the existing means to divert rain water from the sewerage system or a proposal to comply with the Districts' rainwater guidelines. Please be informed that new automatic rainwater diversion systems will not be approved unless the applicant proves that this is the only feasible alternative.

FORM B: CALCULATION OF INDUSTRIAL WASTEWATER DISCHARGE FLOW RATE

COMPANY NAME: SHULTZ STEEL COMPANY

Calculation of flow rate is based on: (Check one)
____ Adjusted metered water supply (Company must complete the calculations below)
(SEE TABLE 1) X Direct measurement through a District's approved effluent flow measurement system
____ Estimate for a facility not yet in operation **

ADJUSTED METERED WATER SUPPLY CALCULATIONS (Round all figures to two decimals)

	MILLION GALLONS PER YEAR
I Incoming Water	
1. Metered Water Supply from Purveyor (Water Company). Use most recent 12 consecutive months and attach copies of water bills.	7.68 MGY
2. Water Supply from Company Well. Attach meter or water master data for most recent 12 consecutive months.	. MGY
3. Water Received in Raw Materials, or by other means. Explain in attachments.	. MGY
4. Rainwater/Groundwater Discharged to the Sewerage System. Explain in attachments.	. MGY
5. Total Incoming Water. (Add lines 1 to 4)	7.68 MGY
II Water Losses	
6. Wastewater Discharged to Stormwater Drainage System Explain in attachments. (NPDES Permit No. _____)	. MGY
7. Water Lost Through Evaporation and Irrigation. (add lines a + b + c + d on the back of this form)	. MGY
8. Water Lost in Products. Explain in attachments.	. MGY
9. Sanitary Flow Deduction (from line "e" on the back of this form)	. MGY
10. Total Water Losses (add lines 6 to 9)	. MGY
III Industrial Wastewater Discharged	
11. Calculated Industrial Wastewater Discharged to the public sewer (subtract line 10 from line 5)	2.57 MGY
12. Any Proposed increase (+) or decrease (−) in industrial wastewater discharge to the public sewer? (explain in attachments)	Circle one (+) (−) . MGY
13. Total proposed yearly industrial wastewater discharge (add lines 11 and 12)	2.57 MGY
14. Average industrial wastewater flow (use line 13 to calculate below)	

Million Gallons per Year	×	1,000,000	÷	Number of Discharge Days per Year	=	Gallons per Day
2.57	×	1,000,000	÷	300	=	8,560

This is the average daily flow rate that must be used on the application for industrial wastewater discharge. (It may be rounded to two significant figures.)

Note: The applicant must also complete the calculations on the back of this page.

* If your company currently has an **approved effluent wastewater flow measurement system**, please submit effluent totalizer readings for the last twelve months. Your company does not have to complete the rest of this form.

** The company must submit detailed information that substantiates how the flow rate was estimated.

WATER LOSSES

a. COOLING TOWER LOSSES

Tonnage	×	Hours of Operation Per Year	×	Load[1]	×	1.38[2]	÷	1,000,000	=	Mil. Gal. Per Year
	×		×	0	×	1.38	÷	1,000,000	=	
	×		×	0.	×	1.38	÷	1,000,000	=	
									=	a

[1]Load = 0.50 to 0.80
[2]1.38 = Gallons evaporated per hour per ton

b. BOILER LOSSES

Horsepower	×	Hours of Operation Per Year	×	Load[3]	×	% Evaporation[4]	×	3.82[5]	÷	1,000,000	=	Mil. Gal. Per Year
	×		×	0	×	0.	×	3.82	÷	1,000,000	=	
	×		×	0.	×	0.	×	3.82	÷	1,000,000	=	
											=	b

[3]Load = 0.50 to 0.80
[4]%Evaporation = (100 − % condensate returned)/100
[5]3.82 = Gallons evaporated per hour per ton

c. OTHER EVAPORATIVE LOSSES
(Explain in attachments)

Million Gallons Per Year	
	c

d. IRRIGATION LOSSES

Square Feet of Land Irrigated	×	18.7[6]	÷	1,000,000	=	Mil. Gal. Per Year	
	×		÷		=		d

[6]18.7 = Gallons irrigated per square foot per year

e. SANITARY FLOW DEDUCTION

No. Employees	×	Working Days Per Year	×	Gallons Per Employee Per Day	÷	1,000,000	=	Mil. Gal. Per Year	
	×		×	15	÷	1,000,000			e

INCOMING WATER METERS

Please list all the accounts (or other identification) for all the meters that measure the water supplied to the facility.

Meter#	Location	Account#

Abbreviations and Conversion Factors

MGY = million gallons per year
1 cubic foot = 7.48 gallons
1 acre foot = 325,900 gallons
1 acre = 43,560 square feet
1 CCF = 748 gallons

FORM C: TANK SCHEDULE & SPILL CONTAINMENT CALCULATIONS

Please complete one form for each containment area (make additional copies if necessary).

TANK I.D. NUMBER	TANK NAME	TANK DIMENSIONS*	TANK CONTENTS	pH	IS TANK ELEVATED?**
FPF	MAIN	94-77-62 (INCHES)	11,300 lbs	6-9	No
FFF	MAIN	55-64 OD	3,900 lbs	6-9	No
FFK	MAIN	55-64 OD	3,900 lbs	6-9	No
FBH	MAIN	60-60-131	27,600 lbs	6-9	No
FRM	MAIN	40-74-90	7,100 lbs	6-9	No.
FUP	MAIN	96-228-138	70,000 lbs	6-9	No
FHR	QUENCH	183-240-112	100,000 lbs	6-9	No
FHJ #1	QUENCH	79-384-91	83,400 lbs	6-9	No
FHJ #2	STORAGE	96-96 OD	41,700 lbs	6-9	No
BULK #1	HYD	80-76 OD	35,400 lbs	6-9	No
BULK #2	30W	60-60 OD	42,500 lbs	6-9	No
HILLARD	RECLAIM	66-72OD x2	7,100 lbs	6-9	No
SCRAP	OIL	40-60-108	28,700 lbs	6-9	No

* Specify height and diameter if tank is round; or length, width and height if tank is rectangular.

** If the tank is elevated above the ground on legs, specify the location (elevation) of the bottom of the tank. If the tank is located on a pad or solid platform, specify the dimensions of the pad or platform.

2. Spill Containment Calculations (make additional copies if necessary).

Answer the following questions:	CIRCLE ONE
Is this the first time that your company submits a permit package to the Districts?	YES (NO)
Does your company currently have tanks/equipment with hazardous solutions that lack adequate spill containment?	YES (NO)
Is your company proposing any additions/modifications of tanks or equipment that will need spill containment?	YES (NO)

If the answer to any of the questions above is "YES", your company must submit plans that describe and propose an adequate spill containment system and must complete the calculations below:

1. Containment Volume Required:

The required containment volume is equal to the capacity of the largest tank containing a solution that requires containment plus the volume of 6 inches of rain over the containment area (if the area is not roofed)

(1) = Volume of largest tank (assumed to spill) + volume of 6 inches of rain over contained area (if area is outdoors)

(1) = _____ + _____

(1) = _____ (specify units)

2. Containment Volume Provided

The containment provided is equal to the volume of the dike, berm, sump or other containment structure minus the volume displaced by tanks, pads and other equipment within the containment area.

(2) = Volume of containment dike − Volume displaced by tanks and other equipment.

(2) = _____ − _____

(2) = _____ (specify units)

Subtract (1) from (2)

(2) − (1) = _____ (Must be greater than zero to satisfy spill containment requirements)

Note: All drains, sumps and associated plumbing within spill containment areas must be clearly shown on submitted drawings.

FORM D: CHECK LIST FOR AN INDUSTRIAL WASTEWATER DISCHARGE PERMIT SUBMITTAL

COMPANY NAME: Shultz Steel Company

1. Permit Application Form — X

2. Plans (Minimum size: 11″ x 17″, maximum size: 30″ x 42″)

   a. Required Plans:

   Sewerage Plan (location of equipment, process tanks and sewer lines) — X

   Plot Plan (location of facility, sampling point and connection to the public sewer) — See Utility Plan - Sheet C-4 (Attachment A) X

   Plans of Pretreatment Facilities (Clarifier and Sampling Box Drawings and Specifications) (See Attachment B) — X

   b. Additional Plans (if needed):

   Spill Containment System — ____

   Flow Monitoring System — ____

   Rainwater Management — ____

   Combustible Gas Monitoring System — ____

3. Supporting Information:

ALWAYS REQUIRED	Applicant's Questionnaire (Form A)	X
	Estimation of Discharge Flow Rate and Water Bills (Form B)	X
	Tank Schedule and Spill Containment Calculations (Form C)	X
	Checklist (Form D)	X
COMPLETE FORM A TO DETERMINE WHICH OF THESE ARE NECESSARY	Waste Minimization Plan	____
	Process Description (See Letter)	X
	Material Safety Data Sheets (See Attachment C)	X
	Wastewater Analyses (See Attachment D)	X
	Baseline Monitoring Report (for EPA categorical companies) (See Attachment D)	X
	Pump Curves	____
	Catalog Cuts of Pretreatment Equipment	____
	Baseline Credit Information	____
	Equipment Costs	____
	Notification Report of the Discharge of Hazardous Wastes (if applicable)	____